



## Master-PUR LF Food A

Article Master No.: 000384

PU Suction & Transport Hose, super lightweight, food-grade quality acc. to EU 10/2011 and FDA, permanently antistatic



transparent



antistatic



microbe resistant



hydrolysis resistant



food approved



very flexible



light



moderately pressure resistant

### Product Details

#### Construction / Material

- Type of construction: Film hose with embedded support coil
- Spiral Design: made from stainless steel wire
- Material of the spiral: Stainless steel 1.4310, Spring steel
- Execution of the wall: made of pure material, made of specified material, Addition of a non-migrating permanent antistatic agent, Wall thickness between the spirals approx. 0.5 mm
- Material of the wall: Polyether Polyurethane
- Specifications of the wall: Surface resistance  $R_0 < 10^9$  Ohm, measured according to DIN EN ISO 8031, Material complies with food regulations FDA 21 CFR § 177.2600 and 21 CFR § 177.1680, approved for direct food contact category E, according to EU Directive 1935/2004, 10/2011 and its latest amending Directives

#### Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU, with grounding on both sides of the spiral for aspirative and pneumatic conveying of non-flammable dusts and bulk materials in zone 22. For conveying gases and liquids with low conductivity in zone 2., Manufacturing process according to GMP EC 2023/2006
- Chemical Properties: microbe-resistant, odourless and tasteless, good UV resistance, halogen-free, good resistance to chemicals, good ozone resistance, hydrolysis resistant, plasticiser-free
- Mechanical Properties: compressible approx. 1:3

- Flexibility: very flexible
- Physical Properties: permanently antistatic
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: transparent

### Operating Temperature

- Temperature Range: -40 - 90
- short-term maximum temperature: peaks to 125 °C

### Delivery Information

- Delivery, type of production: Various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock

### Application Areas

- Areas of application: Agriculture, Bulk & Construction, Chemistry, Food & Pharma, Plastics

### Customizing Options

- optional item modification (on request): other lengths, other nominal widths, with customer-specific imprint

## Article Variants

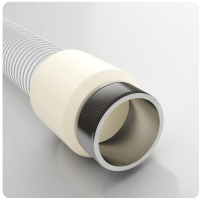
Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000384:40:x	000384	40	46	20	0.28	0.82	0.24	25.00	10
000384:51:x	000384	51	57	25	0.34	0.78	0.20	25.00	10, 15
000384:60:x	000384	60	68	35	0.35	0.76	0.19	25.00	10
000384:70:x	000384	70	78	40	0.41	0.61	0.16	25.00	
000384:76:x	000384	76	83	43	0.53	0.61	0.13	25.00	10
000384:80:x	000384	80	88	45	0.53	0.53	0.13	25.00	10
000384:90:x	000384	90	99	50	0.60	0.46	0.09	25.00	
000384:102:x	000384	102	108	55	0.69	0.46	0.09	25.00	5, 10
000384:110:x	000384	110	119	60	0.73	0.38	0.09	25.00	
000384:120:x	000384	120	129	65	0.82	0.38	0.09	25.00	10
000384:127:x	000384	127	134	70	0.85	0.38	0.09	25.00	10
000384:152:x	000384	152	159	80	1.02	0.30	0.06	25.00	10
000384:160:x	000384	160	169	85	1.23	0.30	0.06	25.00	10
000384:180:x	000384	180	189	95	1.38	0.23	0.06	25.00	
000384:203:x	000384	203	210	105	1.52	0.23	0.06	25.00	10
000384:250:x	000384	250	256	126	1.66	0.16	0.03	25.00	
000384:254:x	000384	254	260	130	1.65	0.15	0.03	25.00	5
000384:300:x	000384	300	310	155	1.78	0.14	0.03	25.00	5
000384:315:x	000384	315	325	162	1.87	0.14	0.03	25.00	
000384:350:x	000384	350	360	180	2.44	0.12	0.03	25.00	
000384:400:x	000384	400	410	210	3.04	0.12	0.03	25.00	

All data refer to a medium and ambient temperature of +20°C.  
 Specification of the bending radius related to the inside of the hose bend  
 Subject to technical changes and colour deviations

## Delivery Variants

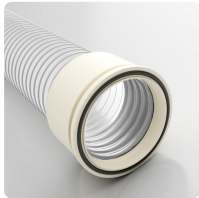
Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

## Possible Connection Elements



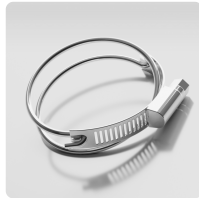
### Combiflex VA Threaded Sockets Food

cast-on VA threaded socket with male thread to DIN ISO 228 for all Master-PUR Food hoses, food-safe EU 10/2011



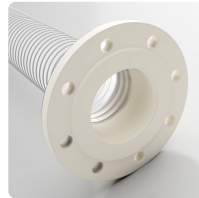
### Combiflex PU Cone Flange Food

fixed quick connector system for all Master-PUR Food hose types, following DIN 3016, food-safe EU 10/2011



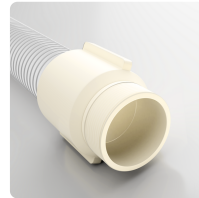
### Master-Grip Double Wire Clamp, screw-fitting

Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PUR Food, Master-PVC and Master-SANTO



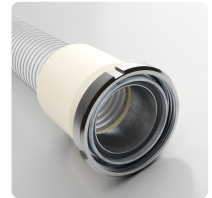
### Combiflex Cast-on PU Fixed Flange Food

fixed flange for all Master-PUR Food hose types, approved for direct food contact EU 10/2011, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



### Combiflex PU Threaded Sockets Food

cast-on PU threaded connector for attaching fittings to Master-PUR Food hoses, approved for direct food contact EU 10/2011, following DIN ISO 228



### Combiflex Dairy Fitting Cone Sockets

cast-on tube fitting with groove nut to DIN 11851 for Master-PUR Food hoses, food-safe EU 10/2011

### Individual consultation

We offer consultation by phone:  
+49 209 97077-112

Product requests via  
[masterflex.de/en](http://masterflex.de/en)

### Address Headquarters

Masterflex SE  
Willy-Brandt-Allee 300  
45981 Gelsenkirchen

